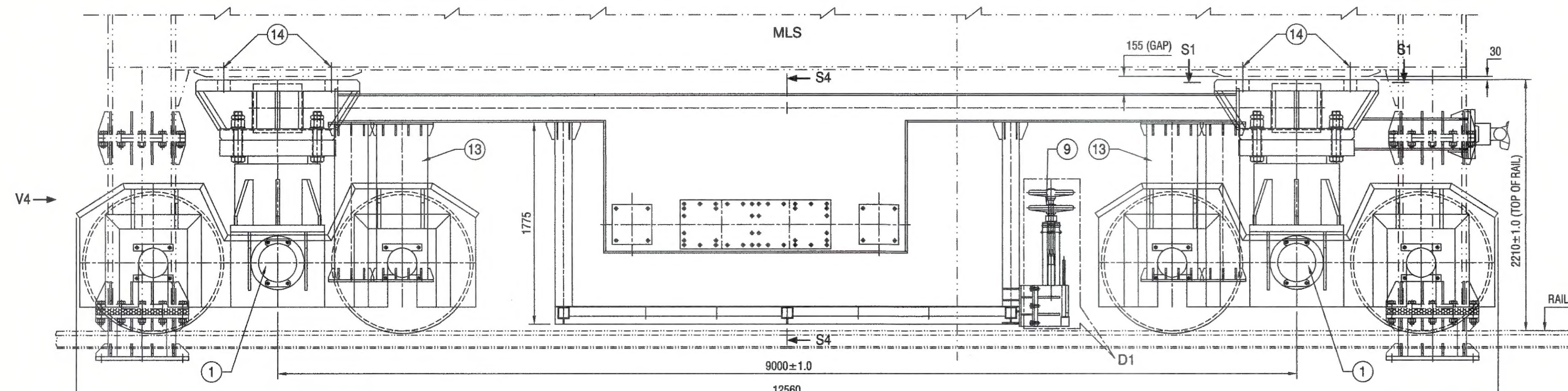
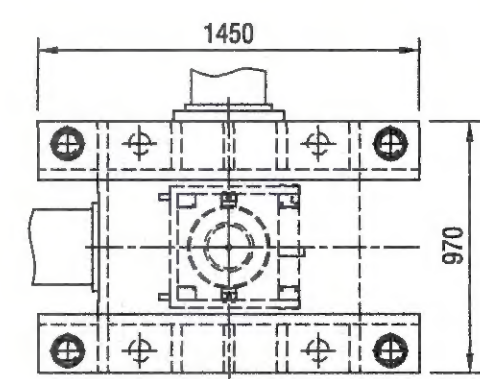


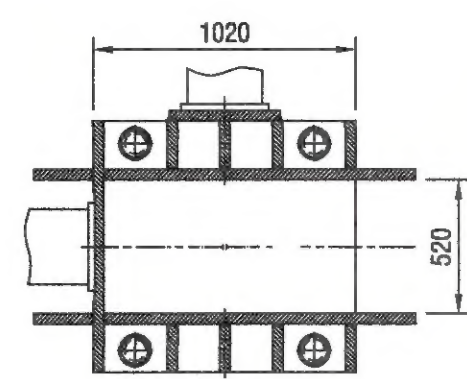
## PLAN



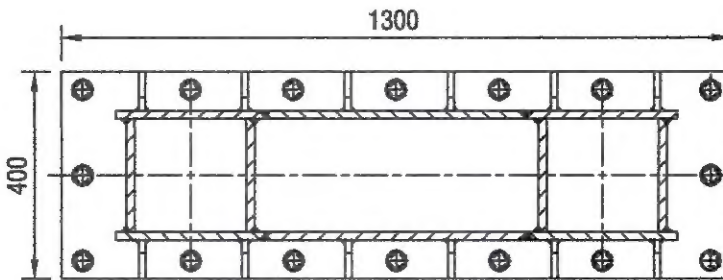
ELEVATION



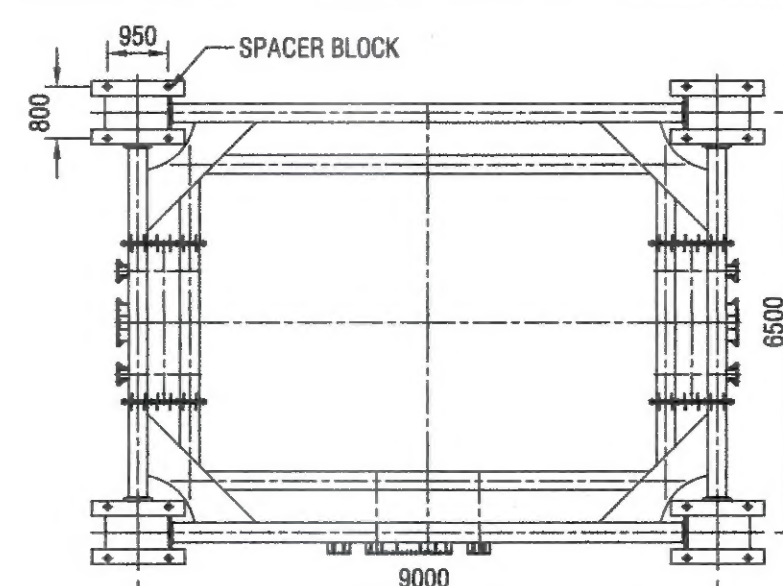
SECTION - S1 S1



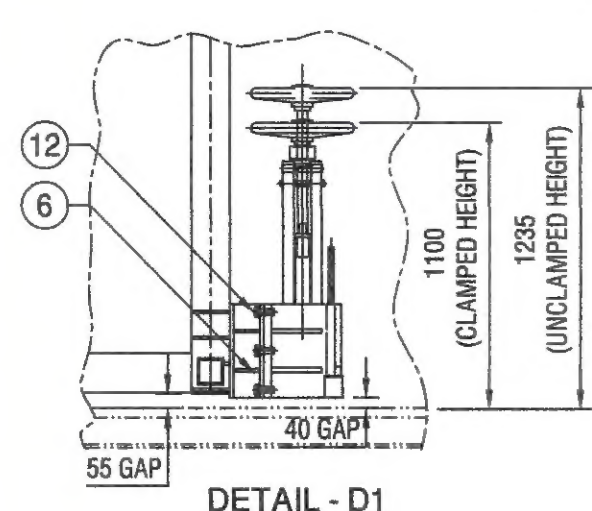
SECTION - S2 S2



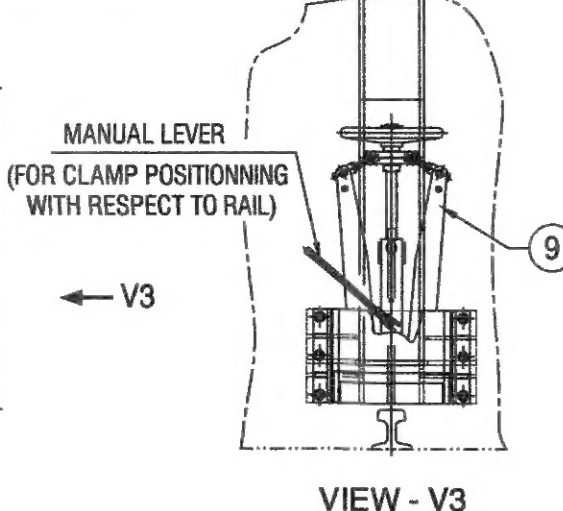
SECTION - S3 S3



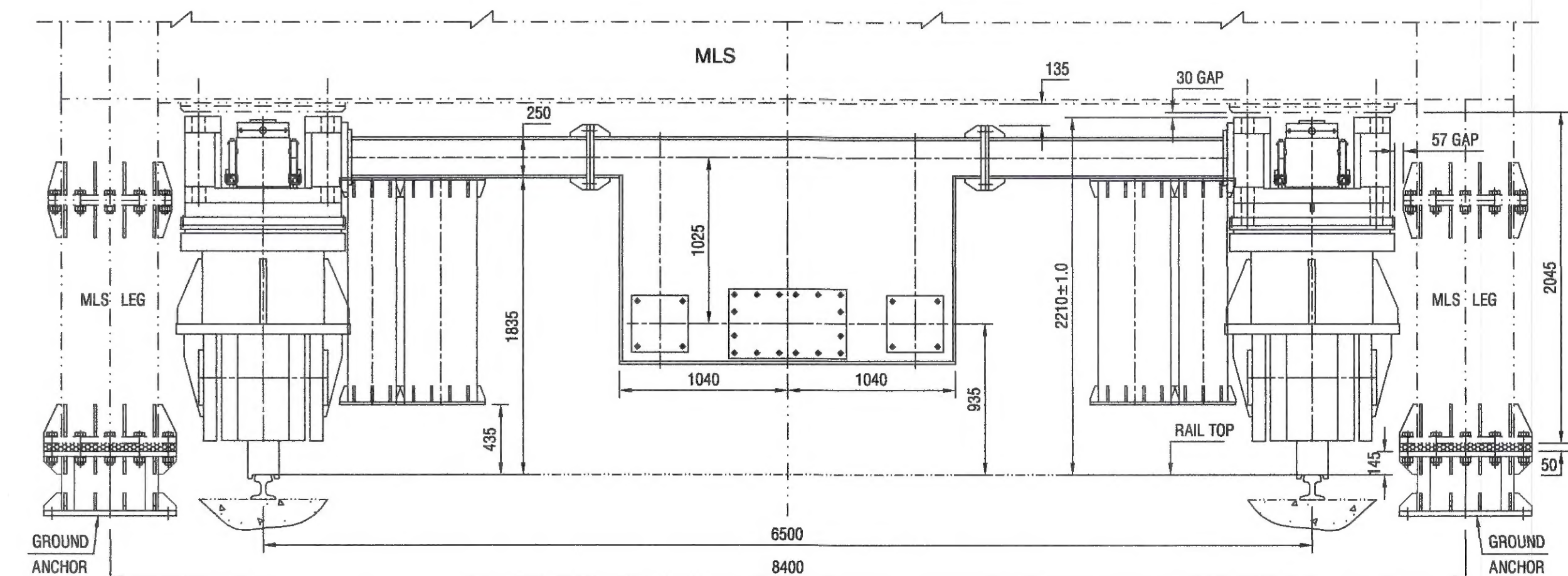
### KEY PLAN OF SPACER BLOCK LOCATIONS



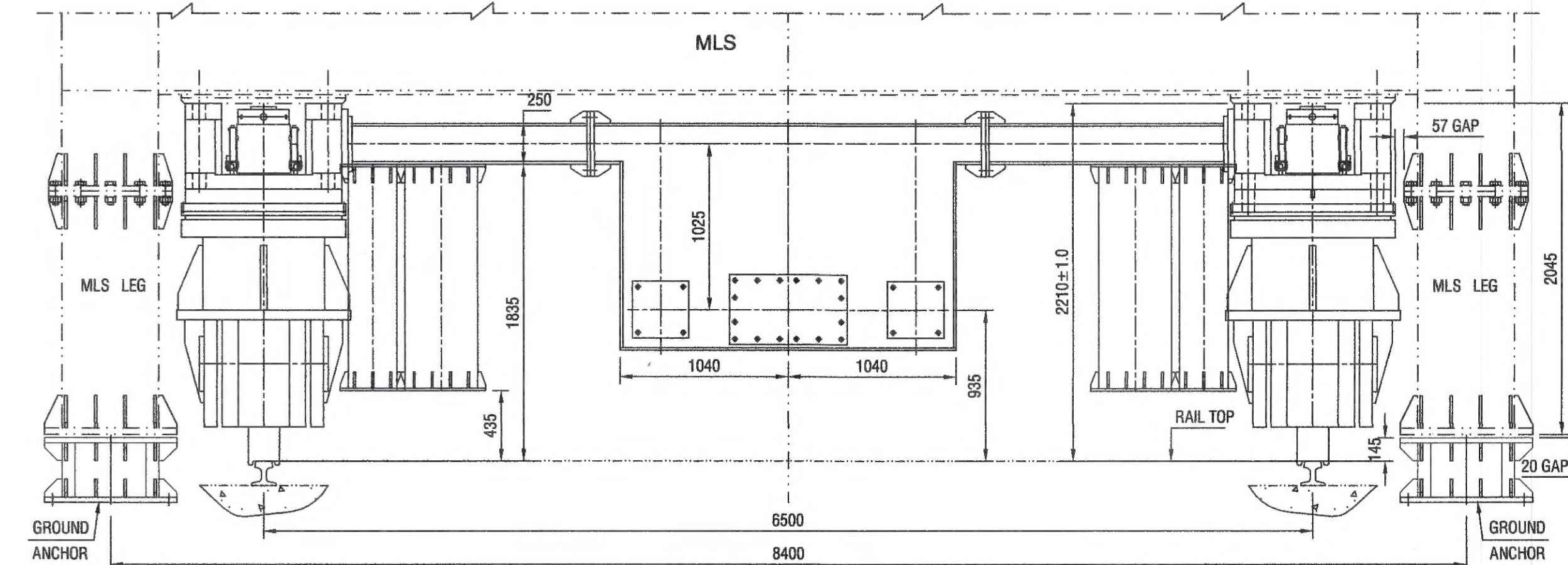
DETAIL - D'



VIEW - V3



VIEW - V4



VIEW - V4 (50Thk. SPACER PLATE REMOVED)

## NOTES

1. ALL DIMENSIONS SHOWN ARE FINAL MACHINED DIMENSIONS
2. INTERCONNECTING FLANGES SHALL BE WELDED ALL AROUND AT SITE AFTER ALIGNMENT AND ASSEMBLY OF THE BOLTS, MAINTAINING RECTANGULAR OF WHEEL BOGIE WELDING SHALL BE DONE CAUTIOUSLY TAKING SUFFICIENT TIME TO AVOID DISTORTION OF WHEEL BOGIE ASSEMBLY
3. INTERCONNECTING STRUCTURE SHALL BE WELDED WITH SPACER BLOCKS AT THE MANUFACTURES SHOP BEFORE FINAL MACHINING AFTER ALIGNMENT (OF ALL 4 WHEEL BOGIES TOGETHER)
4. WHEREVER WIRE LOCKING OR OTHER METHODS OF LOCKING ARE NOT FEASIBLE, LOCK WITH LOCTITE OF APPROPRIATE GRADE. APPLY LOCTITE ON FASTENER THREADS ONLY. NO LOCTITE SHALL BE APPLIED ON THE HEAD SEATING SURFACE.
5. WHEREVER LOCTITE IS USED, NO OTHER LUBRICANT SHALL BE USED ON FASTENER THREADS OR HEAD SEATING SURFACES
6. ALL FASTENERS SHALL BE PROVIDED WITH SUITABLE CORROSION PROTECTION COATING
7. APPROVED PAINTING SHALL BE FOLLOWED AS PER PURCHASE ORDER
8. CHECK THE STATUS OF THE DRAWING BEFORE FABRICATION / MACHINING

TOTAL WEIGHT : 88722 Kgs. (Approx)

14	M72 x 1000g HEX. HEAD BOLT, NUT, LOCK NUT WITH MACHINED WASHERS	IS : 1364	16	--	P. CLASS 8.8
13	LOCK SUPPORT STRUCTURE		8	3240	REFER DRG. NO. 10-MECH-12-8-38
12	M24 x 50Lg HEX. HEAD BOLT, NUT, WITH MACHINED WASHERS	IS : 1364	12	--	P. CLASS 8.8
11	M24 x 100Lg HEX. HEAD BOLT, NUT, LOCK NUT WITH MACHINED WASHERS	IS : 1364	24	--	P. CLASS 8.8
10	M24 x 110Lg HEX. HEAD BOLT, NUT, LOCK NUT WITH MACHINED WASHERS	IS : 1364	80	--	P. CLASS 8.8
9	RAIL CLAMP WITH LEVER FOR MANUAL LATERAL POSITIONING		2		TYPE: VZM-2, MAKE: ROMER Fordertechnik GmbH
8	TOWING PLATE		1	96	REFER DRG. NO. 10-MECH-12-8-26
7	HAULER INTERFACE FRAME		1	530	
6	RAIL CLAMP BRACKET		2	178	REFER DRG. NO. 10-MECH-12-8-28
5	MAINTENANCE PLATFORM		2	2610	REFER DRG. NO. 10-MECH-12-8-2
4	INTERCONNECTING STRUCTURE - LH		1	5569	REFER DRG. NO. 10-MECH-12-8-2
3	INTERCONNECTING STRUCTURE - RH		1	7613	REFER DRG. NO. 10-MECH-12-8-18
2	INTERCONNECTING FRAME		2	6710	REFER DRG. NO. 10-MECH-12-8-1
1	WHEEL BOGIE ASSEMBLY		4	82178	REFER DRG. NO. 10-MECH-12-8-10
S.NO	DESCRIPTION	MATERIAL	QTY	W.T	REMARKS

TITLE GENERAL ASSEMBLY OF BOGIE SYSTEM  
FOR WHEEL BOGIE SYSTEM OF SLC PROJECT

**GOVERNMENT OF INDIA  
INDIAN SPACE RESEARCH ORGANISATION  
SATISH DHAWAN SPACE CENTRE SHAR  
SRIHARIKOTA**

SCALE 1 : 20

DRG. NO.

PROJECTION	
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SHEET 1

OF 1

STATUS	SIGN	DATE
DISCUSSION / REVIEW		
TENDER PURPOSE		
FABRICATION	<i>[Signature]</i>	3/9/14
UNRESTRICTED	RESTRICTED	CONFIDENTIAL

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DO NOT SCALE THE DRAWING  
ASK IF IN DOUBT  
UNLESS OTHERWISE SHOWN  
ALL DIMENSIONS ARE IN MILLIMETERS  
REMOVE SHARP EDGES & BURRS  
CHAMFER 1 M.M. X 45°  
MACHINING FINISH IN MICRONS :-  
▽ 8 - 25      ▽ 1.6 -  
▽▽ 0.025 - 1.6      ▽▽▽ < 0.0

DEVIATION FOR NON TOLERANCED DIMENSIONS (IS -2102)	
DIAMETERS & LENGTHS	LENGTH IN M.M. OR SHORTER SIDE OF ANGLE UP TO & INC
UPTO & INCL. $\pm 0.1$	
6 - $30 \pm 0.2$	
30 - $120 \pm 0.3$	
120 - $315 \pm 0.5$	1 - 6 $\pm 1^{\circ}-0'$
315 - $1000 \pm 0.8$	6 - 30 $\pm 0^{\circ}-30'$
1000 - $2000 \pm 1.2$	30-120 $\pm 0^{\circ}-20'$
2000 - $4000 \pm 2.0$	120-400 $\pm 0^{\circ}-10'$
4000 & ABOVE $\pm 3.0$	

**SCEND**

SHAR CENTRAL DESIGNS		
DESIGNED	<i>[Signature]</i>	21/1/24
DES.CHKD	<i>[Signature]</i>	
DRAWN	V. V. R	14.02.24
DRG.CHKD	<i>[Signature]</i>	21/1/24
APPROVED	<i>[Signature]</i>	
	SIGN.	DATE

TITLE GENERAL ASSEMBLY OF BOGIE SYSTEM  
FOR WHEEL BOGIE SYSTEM OF SLC PROJECT

GOVERNMENT OF INDIA  
INDIAN SPACE RESEARCH ORGANISATION  
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SRIHARIKOTA

SCALE 1 : 20

DRG. NO.

PROJECTION	
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SHEET 1

OF 1